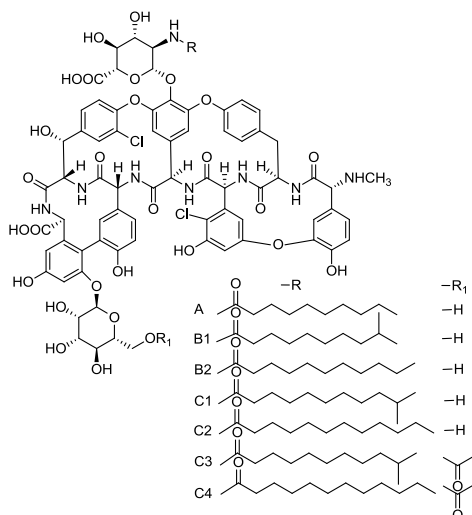


## Parvodicin complex

Code No.: **BIA-P1372**

Pack sizes: **5 mg, 25 mg**



Synonyms : A 40926 complex

## Specifications

CAS #	: <b>187888-13-7</b>
Molecular Formula	: <b>C<sub>83</sub>H<sub>88</sub>Cl<sub>2</sub>N<sub>8</sub>O<sub>29</sub> (for C1)</b>
Molecular Weight	: <b>1732.5</b>
Source	: <b><i>Actinomadura parvosata</i></b>
Appearance	: <b>Fawn to light tan solid</b>
Purity	: <b>&gt;95% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in ethanol, methanol, DMF or DMSO. Good water solubility.</b>

## Application Notes

Parvodicin complex is a family of glycopeptides with potent antibiotic activity, isolated from *Actinomadura parvosata*. Structurally the parvodicins share a common cyclic peptide core with ristocetin. The analogues within the complex vary in the fatty acid substitution on the aminosugar. Like other glycopeptides in this class, parvodicin complex inhibits cell wall formation by binding to D-alanine-D-alanine residues. Parvodicin complex is a precursor to the synthetic glycopeptide, dalbavancin.

## References

1. Parvodicin, a novel glycopeptide from a new species, *Actinomadura parvosata*: Discovery, taxonomy, activity and structure elucidation. Christensen S.B. et al., *J. Antibiot.* 1987, 40, 970.
2. Dalbavancin: a novel antimicrobial. Chen A.Y. et al., *Int. J. Clin. Pract.* 2007, 61, 853.